

Serial No. 10/724,279

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

List of Claims:

1. (currently amended) A gas spring suspension system comprising:
 - a frame;
 - a pressure chamber;
 - a compression piston assembly;
 - an adjustment assembly associated with the frame;
 - a piston tube operatively connected to ~~the adjustment assembly and the~~ compression piston assembly,
 - the compression piston assembly slidably displaceable along the piston tube to change the pressure in the pressure chamber,
 - the adjustment assembly mechanically coupled to the piston tube and operable to axially ~~position~~ displace the piston tube and the compression piston assembly relative to the frame to adjust a travel of the suspension system; and
 - a probe associated with the frame and configured to be variably positionable within the pressure chamber in response to axial displacement of the piston tube and the compression piston assembly by the adjustment assembly, the variable positioning of the probe within the pressure chamber changing the pressure therein.
2. (original) The suspension system of claim 1, wherein the adjustment assembly further comprises an actuator operable to position the adjustment assembly.
3. (original) The suspension system of claim 2, wherein the adjustment assembly further comprises a driver element and a follower element; the driver element operably connected to and displaceable with the actuator to displace the follower element; the follower element operably connected to and displaceable with the piston tube.

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4. (original) The suspension system of claim 3, wherein the probe forms the driver element.

5. (original) The suspension system of claim 3, wherein the actuator comprises a rotatable knob and the driver element is threadably connected to the follower element, the driver element being rotatable with the knob to axially displace the follower element.

6. (original) The suspension system of claim 5, wherein the knob is formed integrally with the driver element.

7. (original) The suspension system of claim 5, further comprising a reserve chamber separated from the pressure chamber by a choke piston, the choke piston permitting restricted gas flow from the pressure chamber to the reserve chamber and less restricted gas flow from the reserve chamber to the pressure chamber.

8. (original) The suspension system of claim 7, wherein the choke piston is attached to the probe and configured to be slidably displaceable along the piston tube, the choke piston sealingly engaging the piston tube.

9. (original) The suspension system of claim 5, further comprising a valve associated with the frame and the pressure chamber, the valve permitting external adjustment of the pressure within the pressure chamber.

10. (original) The suspension system of claim 2, further comprising a reserve chamber separated from the pressure chamber by a choke piston, the choke piston permitting restricted gas flow from the pressure chamber to the reserve chamber and less restricted gas flow from the reserve chamber to the pressure chamber.

11. (original) The suspension system of claim 10, wherein the choke piston is attached to the probe and configured to be slidably displaceable along the piston tube, the choke piston sealingly engaging the piston tube.

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12. (original) The suspension system of claim 2, further comprising a valve associated with the frame and the pressure chamber, the valve permitting external adjustment of the pressure within the pressure chamber.

13. (original) The suspension system of claim 1, further comprising a reserve chamber separated from the pressure chamber by a choke piston, the choke piston permitting restricted gas flow from the pressure chamber to the reserve chamber and less restricted gas flow from the reserve chamber to the pressure chamber.

14. (original) The suspension system of claim 13, wherein the choke piston is attached to the probe and configured to be slidably displaceable along the piston tube, the choke piston sealingly engaging the piston tube.

15. (original) The suspension system of claim 1, further comprising a valve associated with the frame and the pressure chamber, the valve permitting external adjustment of the pressure within the pressure chamber.